

Title (en)

METHOD TO MONITOR MANUAL STEERING OF DYNAMIC SYSTEMS, AND DEVICE.

Title (de)

VERFAHREN ZUR ÜBERWACHUNG DER MANUELLEN LENKUNG DYNAMISCHER SYSTEME UND VORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DESTINÉS À CONTRÔLER LE GUIDAGE MANUEL DE SYSTÈMES DYNAMIQUES

Publication

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Application

EP 07748441 A 20070426

Priority

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- SE 0601146 A 20060523

Abstract (en)

[origin: WO2007136338A1] The invention concerns a method and an arrangement for ensuring through active monitoring an attentive manual control of a dynamic system. The method and the arrangement use the tactile ability of the human hand to receive, particularly when the muscles are relaxed, certain types of vibrations through two sets of sensitive corpuscle in the human skin, known as the Meissner corpuscles and the Pacinian corpuscles, and the ability of the brain to provide an immediate response to these signals in the same interface to the object that the two sets of sensitive corpuscle are touching during the control and with immediate feedback from the control device of the dynamical system.

IPC 8 full level

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CPC (source: EP KR SE US)

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Citation (search report)

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- [Y] CALDWELL D G ET AL: "Tactile perception and its application to the design of multi-modal cutaneous feedback systems", ROBOTICS AND AUTOMATION, 1996. PROCEEDINGS., 1996 IEEE INTERNATIONAL CONFERENCE ON MINNEAPOLIS, MN, USA 22-28 APRIL 1996, NEW YORK, NY, USA, IEEE, US, vol. 4, 22 April 1996 (1996-04-22), pages 3215 - 3221, XP010163226, ISBN: 978-0-7803-2988-1, DOI: 10.1109/ROBOT.1996.509202
- See also references of WO 2007136338A1

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